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MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: 10/1/07 Signature: Robert R. Richardson  
(Robert R. Richardson)

Docket No.: BA1-03-0687 (03-0687)  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
John L. Vian et al.

Application No.: 10/750,294

Confirmation No.: 9179

Filed: December 30, 2003

Art Unit: 2856

For: METHODS AND SYSTEMS FOR  
ANALYZING ENGINE UNBALANCE  
CONDITIONS

Examiner: S. M. Shah

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

A copy of only those references listed below is attached:

10/03/2007 CNEGA1 00000035 503040 10750294

01 FC:1006

100.00 OP

Other Documents
Haiying Huang, John Vian, David Carlson, and Donald C. Wunsch; "Support Vector Machine Application to Inverse Models for Propulsion Vibration Diagnostics"; technical paper presented at Society of Photo-Optical Instrumentation Engineers (SPIE) Symposium on Aerospace/Defense Sensing, Simulation, and Controls; Orlando, Florida; February 16, 2001
Xiao Hu, John Vian, Jai Choi, David Carlson, and Donald C. Wunsch; "Propulsion Vibration Analysis Using Neural Network Inverse Modeling"; technical paper presented at 2002 World Congress on Computational Intelligence; Honolulu, Hawaii; May 12, 2002
Xiao Hu, John Vian, Joseph R. Slepksi, and Donald C. Wunsch; "Vibration Analysis Via Neural Network Inverse Models to Determine Aircraft Engine Unbalance Conditions"; technical paper presented at International Joint Conference on Neural Networks; Portland, Oregon; April 18, 2003

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Our check in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p) is enclosed. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application

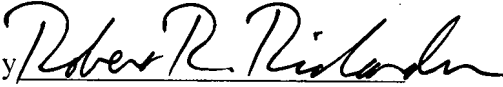
Application No.: 10/750,294

Docket No.: BA1-03-0687 (03-0687)

by this firm) to our Deposit Account No. 503048, under Order No. BA1-03-0687 (03-0687). A duplicate copy of this paper is enclosed.

Dated: October 1, 2007

Respectfully submitted,

By 

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PTO/SB/92 (09-06)  
Approved for use through 03/31/2007. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Application No. (if known): 10/750,294

Attorney Docket No.: BA1-03-0687 (03-0687)

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40,143  
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IDS (Citation) by Applicant (3 References) (1 page)